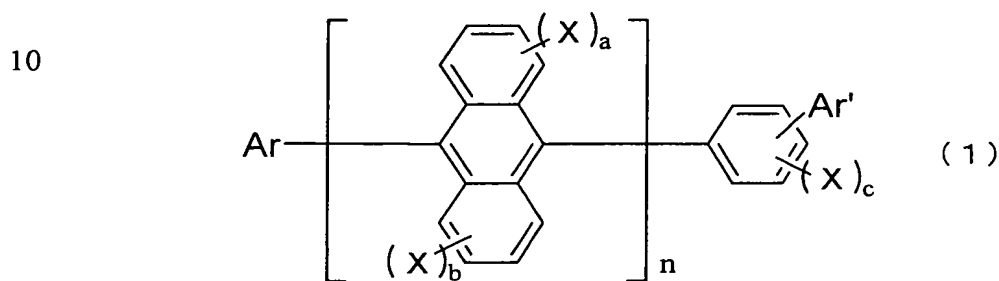


# CLAIMS

1. An organic electroluminescence device which comprises a cathode, an anode and an organic thin film layer comprising at least one layer comprising a light emitting layer and disposed between the cathode and the anode, wherein at least one layer in the organic thin film layer comprises, singly or as a component of a mixture, an anthracene derivative represented by following general formula (1):



- 15        wherein Ar represents a substituted or unsubstituted condensed aromatic group having 10 to 50 nuclear carbon atoms;

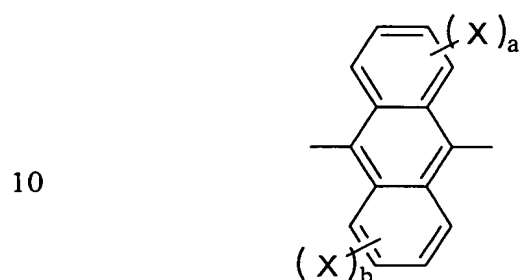
Ar' represents a substituted or unsubstituted aromatic group having 6 to 50 nuclear carbon atoms;

- X represents a substituted or unsubstituted aromatic group having 6 to 50 nuclear carbon atoms, a substituted or unsubstituted aromatic heterocyclic group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted alkoxy group having 1 to 50 carbon atoms, a substituted or unsubstituted aralkyl group having 6 to 50 carbon atoms, a substituted or unsubstituted aryloxy group having 5 to 50 nuclear atoms, a substituted or unsubstituted arylthio group having 5 to 50 nuclear atoms, a
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substituted or unsubstituted alkoxy carbonyl group having 1 to 50 carbon atoms, carboxyl group, a halogen atom, cyano group, nitro group or hydroxyl group;

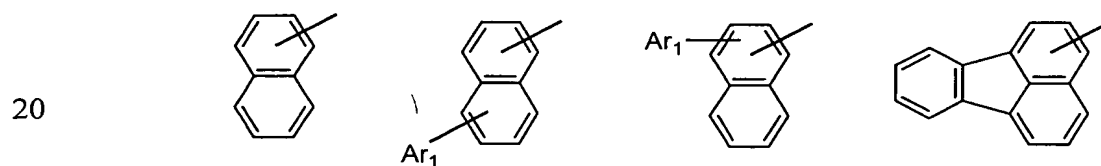
a, b and c each represent an integer of 0 to 4; and

5 n represents an integer of 1 to 3 and, when n represents 2 or 3, a plurality of groups in [ ] represented by:



may be a same with or different from each other.

15 2. An organic electroluminescence device according to Claim 1, wherein the group represented by Ar in general formula (1) is a group selected from groups represented by following general formulae:



wherein Ar<sub>1</sub> represents a substituted or unsubstituted aromatic group having 6 to 50 nuclear carbon atoms.

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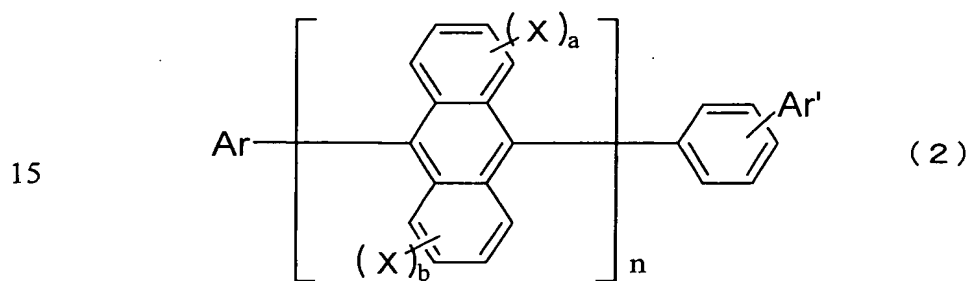
3. An organic electroluminescence device according to Claim 1, wherein

the light emitting layer comprises the anthracene derivative represented by general formula (1) as a main component.

4. An organic electroluminescence device according to Claim 1, wherein  
5 the light emitting layer further comprises an arylamine compound.

5. An organic electroluminescence device according to Claim 1, wherein  
the light emitting layer further comprises a styrylamine compound.

10 6. An anthracene derivative represented by following general formula  
(2):



wherein Ar represents a substituted or unsubstituted condensed aromatic group having 10 to 50 nuclear carbon atoms;

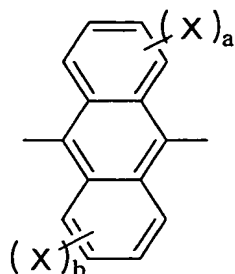
20 Ar' represents a substituted or unsubstituted aromatic group  
having 6 to 50 nuclear carbon atoms;

X represents a substituted or unsubstituted aromatic group having  
6 to 50 nuclear carbon atoms, a substituted or unsubstituted aromatic  
heterocyclic group having 5 to 50 nuclear atoms, a substituted or  
25 unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or  
unsubstituted alkoxy group having 1 to 50 carbon atoms, a substituted or

unsubstituted aralkyl group having 6 to 50 carbon atoms, a substituted or unsubstituted aryloxy group having 5 to 50 nuclear atoms, a substituted or unsubstituted arylthio group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkoxycarbonyl group having 1 to 50 carbon atoms, carboxyl group, a halogen atom, cyano group, nitro group or hydroxyl group;

a and b each represent an integer of 0 to 4; and

n represents an integer of 1 to 3 and, when n represents 2 or 3, a plurality of groups in [ ] represented by:



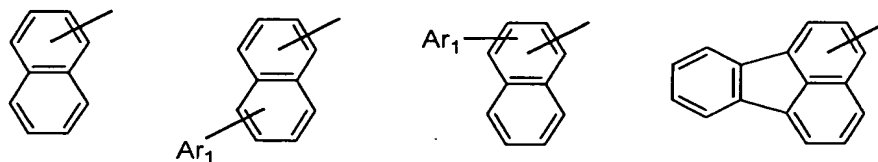
may be a same with or different from each other.

7. An anthracene derivative according to Claim 6, which is a material for an electroluminescence device.

8. An electroluminescence device which comprises a cathode, an anode and an organic thin film layer comprising at least one layer comprising a light emitting layer and disposed between the cathode and the anode, wherein at least one layer in the organic thin film layer comprises an anthracene derivative represented by general formula (2) described in Claim 6 singly or as a component of a mixture.

9. An electroluminescence device according to Claim 8, wherein the group represented by Ar in general formula (2) is a group selected from groups represented by following general formulae:

5



10 wherein Ar<sub>1</sub> represents a substituted or unsubstituted aromatic group having 6 to 50 nuclear carbon atoms.

10. An electroluminescence device according to Claim 8, wherein the light emitting layer comprises the anthracene derivative represented by  
15 general formula (2) as a main component.

11. An electroluminescence device according to Claim 8, wherein the light emitting layer further comprises an arylamine compound.

20 12. An electroluminescence device according to Claim 8, wherein the light emitting layer further comprises a styrylamine compound.